

2020

Розділ монографії

1. Nathan Blaunstein, Felix Yanovsky, Vladimir Yakubov, and Sergey Shipilov, "Detection of Live People in Clutter Conditions," Book chapter in *Electromagnetic and Acoustic Wave Tomography*, pp. 281-293, Monograph, Edited by N. Blaunstein and V. Yakubov, CRC Press, USA, Publication date: 30 Jun. 2020, 360 pp. ISBN 0367571455; ISBN-13 978-0367571450

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2. Yuliya Averyanova, Anna Rudiakova, and Felix Yanovsky, "Drop deformation estimate with multi-polarization radar," *International Journal of Microwave and Wireless Technologies*, Published online by Cambridge University Press: 10 June 2020, pp. 870-877. DOI: <https://doi.org/10.1017/S1759078720000732> Published online by Cambridge University Press: 10 June 2020. Q3

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3. Zhiteckii L.S., Azarskov V.N., Sushchenko O.A., Yanovsky F.J., Solovchuk K.Yu. "Control of a nonsquare multivariable system using pseudoinverse model-based static out-put feedback," *Cybernetics and Computer Engineering*, 2020, N 3 (201), pp. 41–60. DOI:<https://doi.org/10.15407/kvt201.03.033> (Кибернетика та обчислювальна техніка, Інститут кібернетики ім. Глушкова НАНУ).
4. Yuliya Averyanova, Anna Rudjakova, Felix Yanovsky, "Operative correction of aircraft trajectories based on airborne weather radars information," *Proceedings of the National Aviation University*, 2020. N4(85), pp.13–20. DOI: 10.18372/2306-1472.85.15133

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5. Yuriy Rapoport, Vladimir Grimalsky, Svetlana Koshevaya, Denis Soshilov, Felix Yanovsky, Oksana Bilous, "Effective Resonators for THz Quantum Waves of Electron States (QWES)," *2020 IEEE Ukrainian Microwave Week (UkrMW). 10th International Kharkiv Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves MSMW'2020*, 21-25 Sept. 2020, pp. 542 - 545. DOI: 10.1109/UkrMW49653.2020.9252747
6. Yuliya Averyanova, Anna Rudiakova, Felix Yanovsky, "Aircraft Trajectories Correction using Sharing Operative Meteorological Radar Information," *2020 21st International Radar Symposium (IRS)*, 5-8 Oct. 2020, pp. 256 – 259. DOI: 10.23919/IRS48640.2020.9253799
7. Yevhen Chervoniak, Rustem Sinitsyn, Felix Yanovsky, "Passive Acoustic Radar System for Flying Vehicle Localization," *2020 23rd International Microwave and Radar Conference (MIKON)*, Warsaw, Poland, 2020, pp. 278-281, doi: 10.23919/MIKON48703.2020.9253881.
8. O. Sushchenko, F. Yanovsky, Y. Bezkorovainyi, O. Melaschenko, "Influencing UAV Electric Motors on Magnetic Heading Deviation," *2020 IEEE 6th International Conference on Methods and Systems of Navigation and Motion Control, MSNMC 2020 - Proceedings*, 2020, pp. 166–169, DOI: 10.1109/MSNMC50359.2020.9255621.
9. Balaban, M., Yanovsky, F., Arkhypova, K., Antyufeyeva, M. "Chair's Welcome," *2020 IEEE Ukrainian Microwave Week (UkrMW)*, Kharkiv, Ukraine, 2020, pp. i-i, doi: 10.1109/UkrMW49653.2020.9252638.

**Праці інших конференцій (Авіаційний конгрес)**

10. V.N. Azarskov, O. A. Sushchenko, F.J. Yanovsky, L.S. Zhiteckii, K.Yu. Solovchuk, “Robust process control based on generalized inverse model concept,” *The 9th World Congress “Aviation in the XXI-st Century*, Kyiv, Ukraine, Sep. 22-24, 2020, pp. 1-8.
11. F. J. Yanovsky, E.G. Aznakayev, V.I. Karpenko, D.O. Navrotsky, V.V Kozlov, “Optimisation tools for controlling biotechnological processes of biogas production,” *The 9th World Congress “Aviation in the XXI-st Century*, Kyiv, Ukraine, Sep. 22-24, 2020, pp. 1-8.  
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